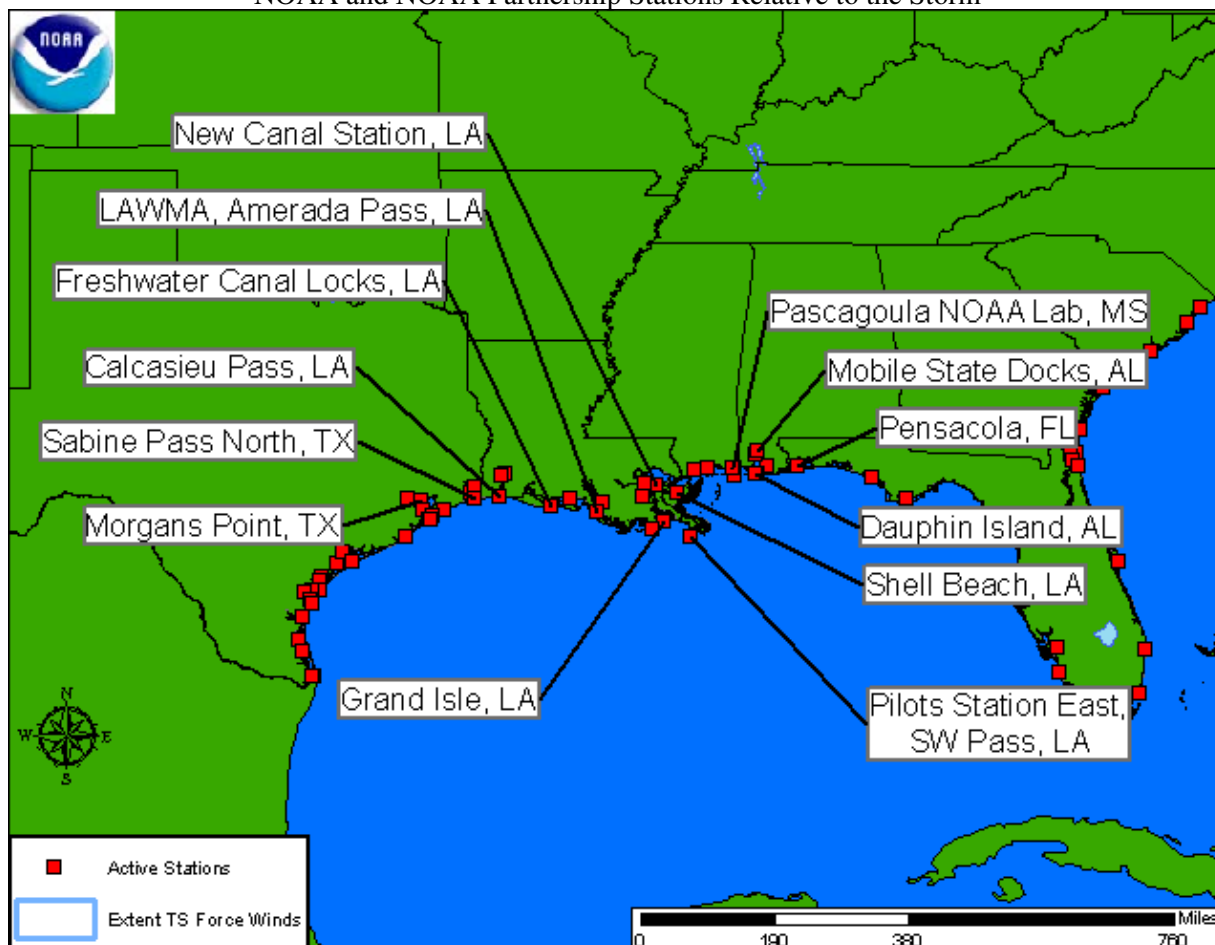




Tropical Storm LEE QuickLook
Posted: 11:00 CDT 09/04/2011

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

LEE made landfall ON THE COAST OF SOUTHERN LOUISIANA earlier this morning 09/04/2011.

No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the National Hurricane Center (NHC) (or Central Pacific Hurricane Center (CPHC)) issues a new tropical storm or hurricane warning for the U.S. or its territories

As of 09/04/2011 11:00 CDT, water levels along the northern Gulf of Mexico coastline from the western Florida panhandle to central Louisiana are elevated and range between 1.3 and 3.7 feet above predictions. Over the past 6 hours, LAWMA, Amerada Pass, LA have finally crested and begun to decrease. They reached a height of 4.2 feet above predictions. Water levels within Lake Pontchartrain are also elevated, partially due to runoff from excessive rainfall. Water level stations to the east of LEE, along the southwestern Louisiana and southeastern Texas coastlines including Galveston Bay, range between 0.5 and over 3.0 feet below predictions.

Tropical Storm LEE QuickLook, POSTED 11:00 CDT 09/04/2011

Winds from southeastern Louisiana to Alabama range between 15 and 40 kts with gusts up to 50 kts being observed at several locations in the past few hours.

Barometric pressure is beginning to level off at many locations.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.3 ft (0.41 m) at 09/06/2011 02:11 CDT and 1.4 ft (0.43 m) at 09/05/2011 01:12 CDT.

Grand Isle, LA: Next predicted high tides are 1.3 ft (0.41 m) at 09/05/2011 01:12 and 1.53 ft (0.47 m) at 09/06/2011 05:29 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.6 ft (0.50 m) at 09/05/2011 02:43 CDT and 1.6 ft (0.50 m) at 09/06/2011 04:24 CDT.

Shell Beach, LA: Next predicted high tides are 1.6 ft (0.49 m) at 09/05/2011 07:46 CDT and 1.57 ft (0.48 m) at 09/06/2011 08:42 CDT.

New Canal Station, LA: Next predicted high tides are 0.5 ft (0.14 m) at 09/04/2011 11:44 CDT and 0.5 ft (0.14 m) at 09/05/2011 14:51 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.7 ft (0.51 m) at 09/05/2011 03:41 CDT and 0.5 ft (0.14 m) at 09/05/2011 14:51 CDT.

Dauphin Island, AL: Next predicted high tides are 1.7 ft (0.52 m) at 09/05/2011 04:47 CDT and 0.5 ft (0.14 m) at 09/05/2011 14:51 CDT.

Mobile State Docks, AL: Next predicted high tides are 2.0 ft (0.61 m) at 09/05/2011 05:57 CDT and 1.89 ft (0.58 m) at 09/06/2011 06:52 CDT.

Pensacola, FL: Next predicted high tides are 1.8 ft (0.56 m) at 09/05/2011 05:08 CDT and 2.0 ft (0.61 m) at 09/05/2011 05:57 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 2.1 ft (0.65 m) at 09/04/2011 23:17 CDT and 2.2 ft (0.66 m) at 09/06/2011 00:09 CDT.

Calcasieu Pass, LA: Next predicted high tides are 2.2 ft (0.66 m) at 09/05/2011 00:18 CDT and 2.2 ft (0.66 m) at 09/06/2011 01:23 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.8 ft (0.57 m) at 09/05/2011 00:43 CDT and 1.87 ft (0.57 m) at 09/06/2011 01:53 CDT.

Morgans Point, TX: Next predicted high tides are 1.7 ft (0.51 m) at 09/05/2011 07:04 CDT and 1.66 ft (0.51 m) at 09/06/2011 08:03 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Water levels in bays and associated waterways may include impacts from hydrological forces, including rainfall runoff. For additional hydrological information see [NWS Advanced Hydrologic Prediction Services](#) or [National Weather Service Forecast Office](#). Future information on this system can be found in public advisories issued by the [Hydrometeorological Prediction Center](#).

Analyst:MPM

SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

TROPICAL STORM LEE ADVISORY NUMBER 12

1000 AM CDT SUN SEP 04 2011

...LEE DRIFTING NORTHEASTWARD OVER SOUTH-CENTRAL LOUISIANA...

LOCATED NEAR LATITUDE 29.9 NORTH...LONGITUDE 91.9 WEST ABOUT 45 MI W OF MORGAN CITY LOUISIANA ABOUT 30 MI SSE OF LAFAYETTE LOUISIANA

WATCHES AND WARNINGS

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* DESTIN FLORIDA WESTWARD TO SABINE PASS TEXAS...INCLUDING THE CITY OF NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

DISCUSSION AND 48-HOUR OUTLOOK

AT 1000 AM CDT THE CENTER OF TROPICAL STORM LEE WAS LOCATED NEAR LATITUDE 29.9 NORTH...LONGITUDE 91.9 WEST ABOUT 45 MI W OF MORGAN CITY LOUISIANA ABOUT 30 MI SSE OF LAFAYETTE LOUISIANA. LEE IS DRIFTING TOWARD THE NORTHEAST NEAR 3 MPH. THIS GENERAL MOTION IS EXPECTED TO CONTINUE TODAY...FOLLOWED BY A TURN TO THE EAST-NORTHEAST TONIGHT. ON THE FORECAST TRACK...THE CENTER WILL MOVE SLOWLY OVER SOUTHERN LOUISIANA TODAY AND TONIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 45 MPH WITH HIGHER GUSTS. GRADUAL WEAKENING IS FORECAST DURING THE NEXT COUPLE OF DAYS.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 275 MILES MAINLY EAST AND SOUTHEAST OF THE CENTER. DURING THE PAST FEW HOURS...A NOAA BUOY LOCATED ABOUT 65 MILES EAST OF THE MOUTH OF THE MISSISSIPPI RIVER REPORTED A SUSTAINED WIND OF 45 MPH AND A GUST TO 49 MPH. NUMEROUS OFFSHORE OIL RIGS ALSO CONTINUE TO REPORT SUSTAINED TROPICAL-STORM-FORCE WINDS A FEW HUNDRED FEET ABOVE THE SURFACE WELL TO THE SOUTHEAST THROUGH SOUTHWEST OF THE CENTER.

A STORM SURGE VALUE OF MORE THAN 4 FEET RECENTLY OCCURRED JUST SOUTH OF MORGAN CITY LOUISIANA AT AMERADA PASS.

RECENT REPORTS FROM OIL RIGS AND COASTAL MONITORING STATIONS INDICATE THE MINIMUM CENTRAL PRESSURE IS 986 MB...29.12 INCHES.

HAZARDS AFFECTING LAND

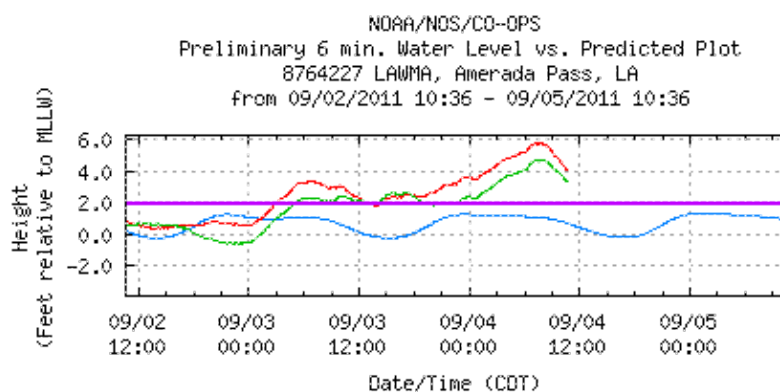
STORM SURGE...WATER LEVELS OF AS MUCH AS 3 TO 5 FEET ABOVE GROUND LEVEL ARE OCCURRING OVER PORTIONS OF THE LOUISIANA COAST. WATER LEVELS OF AS MUCH AS 1 TO 3 FEET ABOVE GROUND LEVEL ARE OCCURRING ALONG THE MISSISSIPPI AND ALABAMA COASTS...INCLUDING MOBILE BAY.

FORECASTER STEWART

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#), [LAWMA, Amerada Pass - Air/Water Temp](#), [Grand Isle - Water Level](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [New Canal Station - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Dock C, Port of Pascagoula - Barometric](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Mobile State Docks - Water Level](#), [Pensacola - Water Level](#), [Pensacola - Barometric](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Morgans Point - Water Level](#), [Morgans Point - Winds](#),

LAWMA, Amerada Pass, LA - Return to List



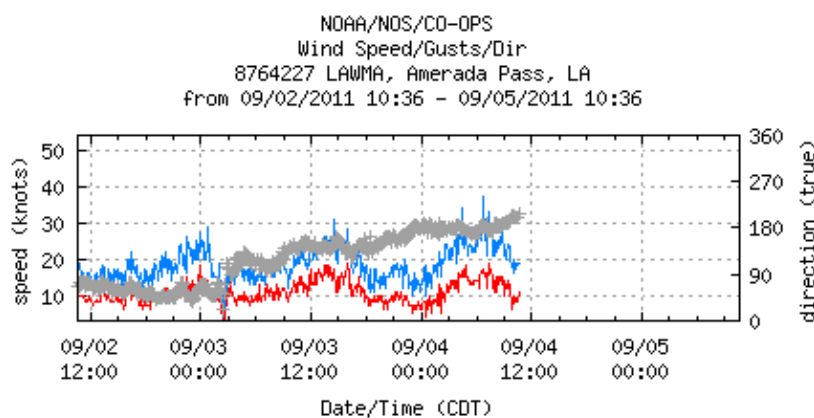
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/04/2011 10:36 (CDT)

Relative to MLLW: **Observed: 4.04 ft.** **Predicted: 0.71 ft.** **Residual: 3.33 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

LAWMA, Amerada Pass, LA - Return to List

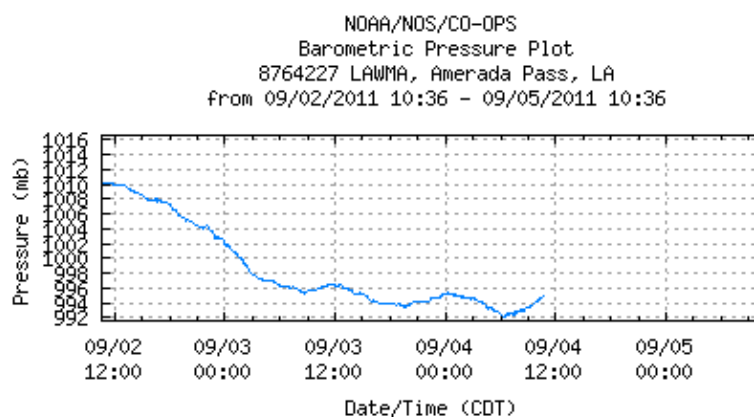


speed — gusts — direction +

Last Observed Sample: 09/04/2011 10:36 (CDT)

Wind Speed: 11 knots **Gusts: 19 knots** **Direction: 208° T**

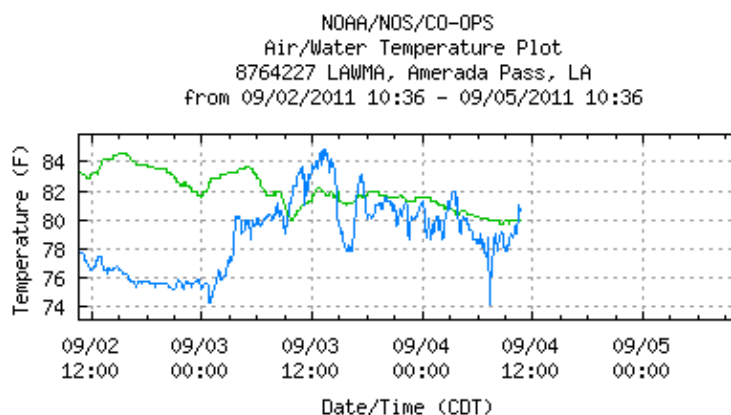
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/04/2011 10:36 (CDT)

Barometric Pressure: 994.9 mb

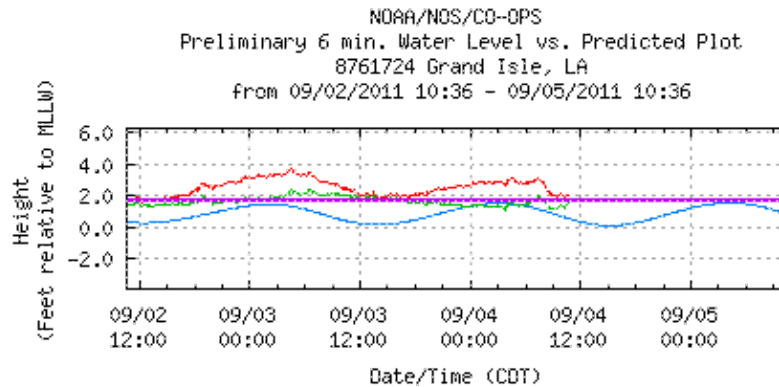
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/04/2011 10:36 (CDT)

Water Temperature: 79.9° F Air Temperature: 80.6° F

Grand Isle, LA - Return to List

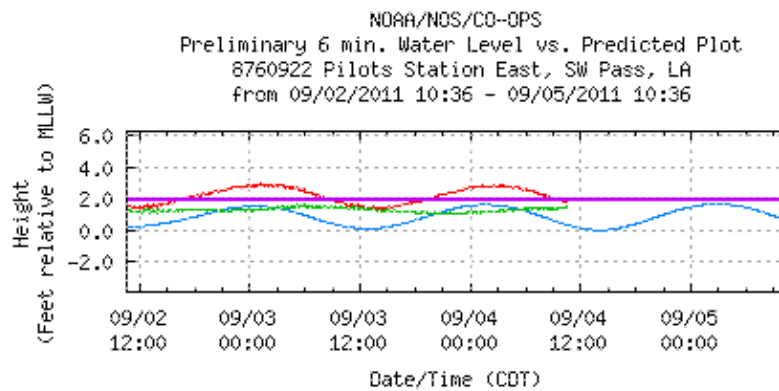


Last Observed Sample: 09/04/2011 10:36 (CDT)

Relative to MLLW: **Observed: 2.06 ft.** **Predicted: 0.57 ft.** **Residual: 1.49 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List

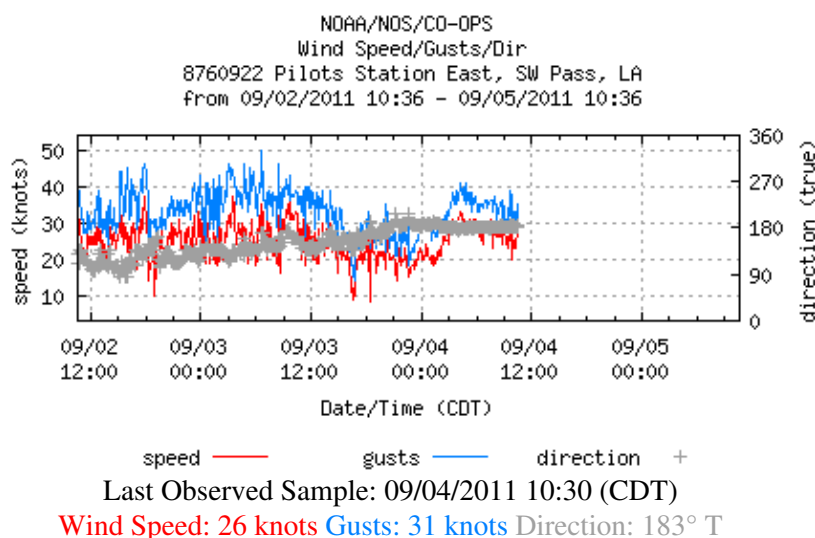


Last Observed Sample: 09/04/2011 10:30 (CDT)

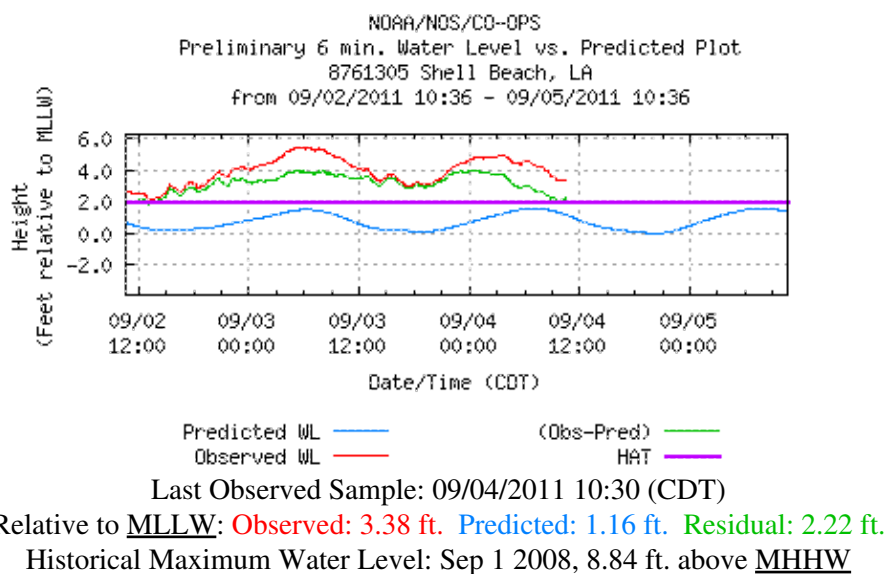
Relative to MLLW: **Observed: 1.88 ft.** **Predicted: 0.34 ft.** **Residual: 1.54 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

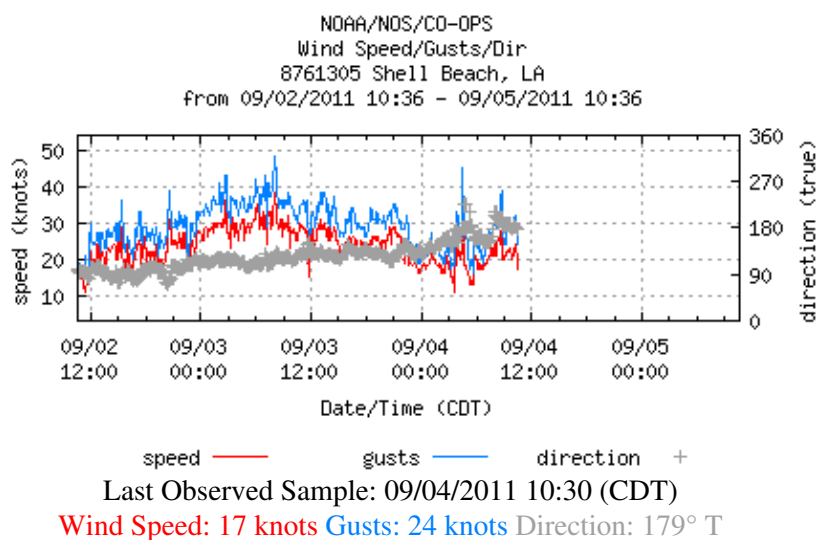
Pilots Station East, SW Pass, LA - Return to List



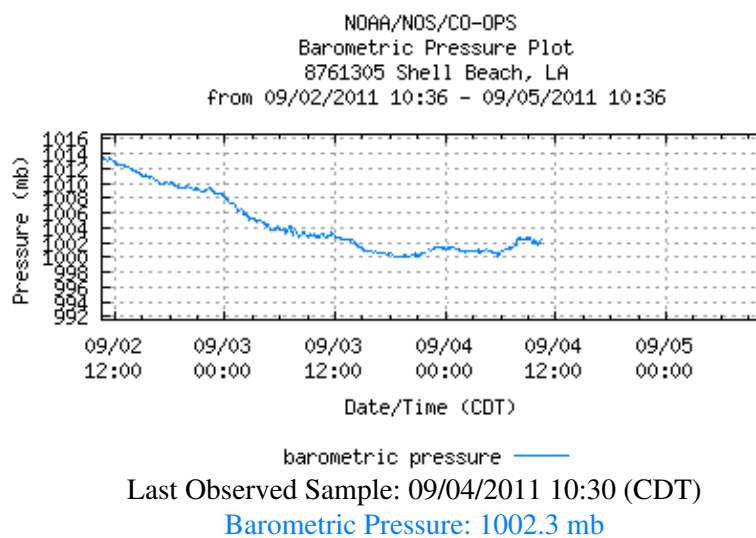
Shell Beach, LA - Return to List



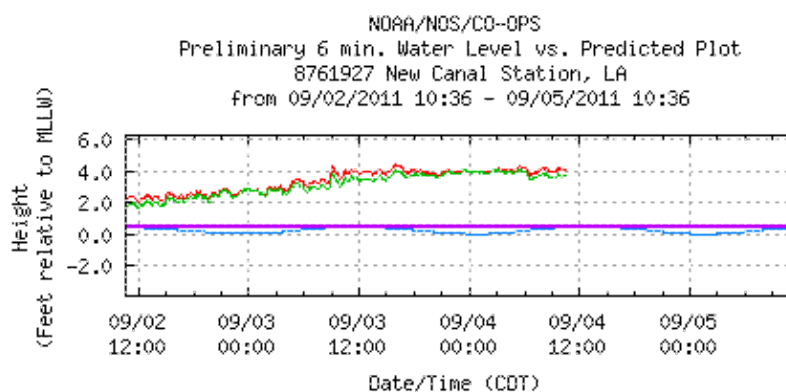
Shell Beach, LA - Return to List



Shell Beach, LA - Return to List



New Canal Station, LA - Return to List



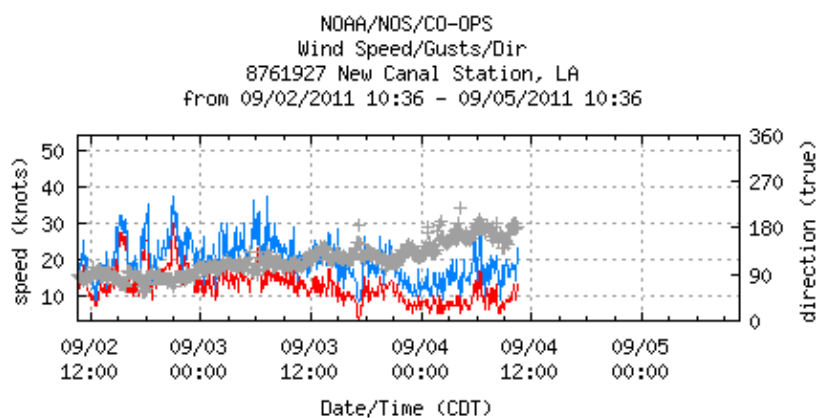
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/04/2011 10:30 (CDT)

Relative to MLLW: **Observed: 4.09 ft.** **Predicted: 0.44 ft.** **Residual: 3.65 ft.**

Historical Maximum Water Level: Sep 13 2008, 4.98 ft. above MHHW

New Canal Station, LA - Return to List

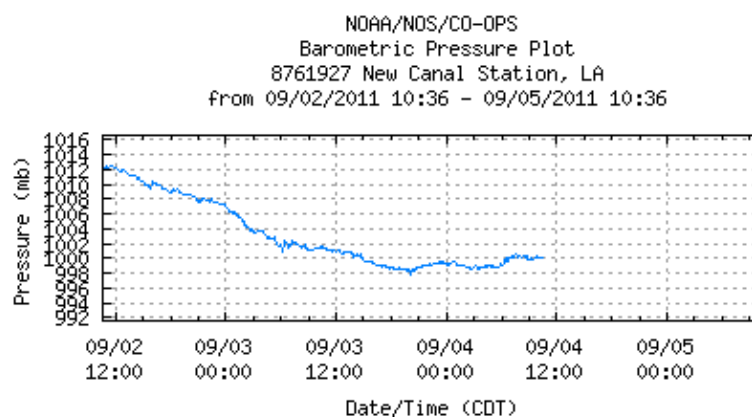


speed — gusts — direction +

Last Observed Sample: 09/04/2011 10:30 (CDT)

Wind Speed: 15 knots **Gusts: 21 knots** **Direction: 190° T**

New Canal Station, LA - Return to List

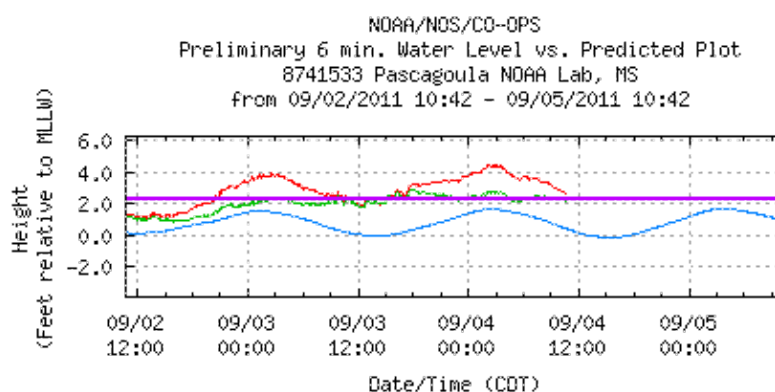


barometric pressure —

Last Observed Sample: 09/04/2011 10:30 (CDT)

Barometric Pressure: 1000.2 mb

Pascagoula NOAA Lab, MS - Return to List



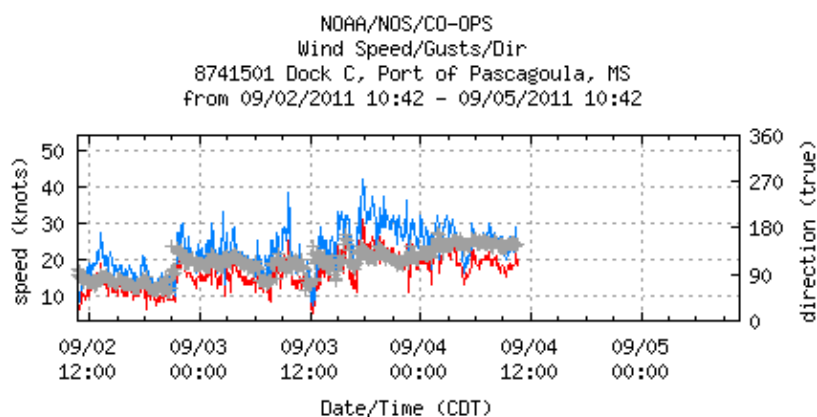
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/04/2011 10:36 (CDT)

Relative to MLLW: Observed: 2.60 ft. Predicted: 0.43 ft. Residual: 2.17 ft.

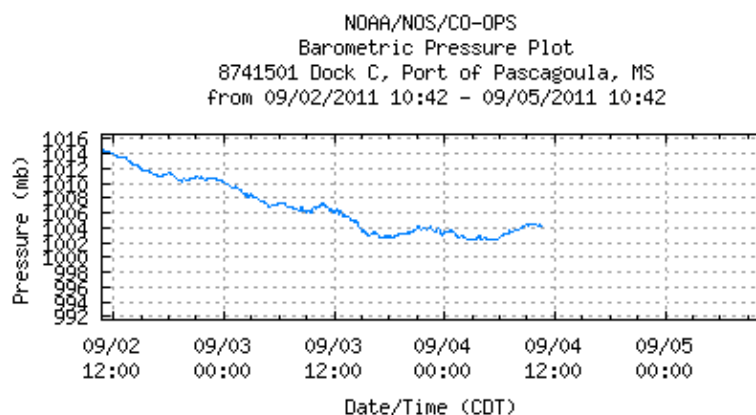
Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

Dock C, Port of Pascagoula, MS - [Return to List](#)



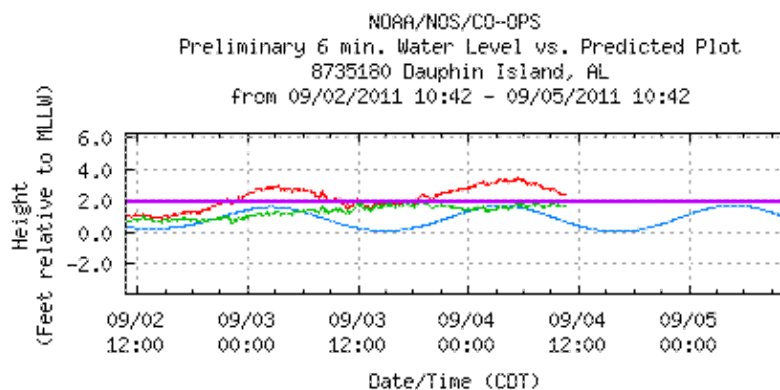
speed — gusts — direction +
Last Observed Sample: 09/04/2011 10:30 (CDT)
Wind Speed: 18 knots Gusts: 23 knots Direction: 150° T

Dock C, Port of Pascagoula, MS - [Return to List](#)



barometric pressure —
Last Observed Sample: 09/04/2011 10:30 (CDT)
Barometric Pressure: 1004.2 mb

Dauphin Island, AL - Return to List



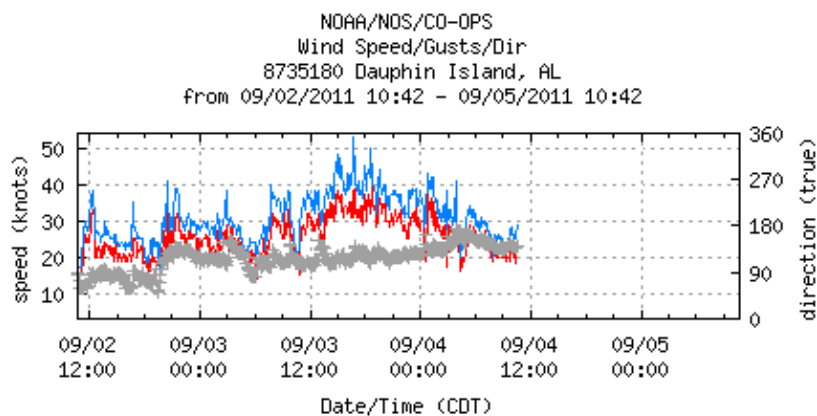
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/04/2011 10:30 (CDT)

Relative to MLLW: **Observed: 2.35 ft.** **Predicted: 0.67 ft.** **Residual: 1.68 ft.**

Historical Maximum Water Level: Sep 2 1985, 3.36 ft. above MHHW

Dauphin Island, AL - Return to List

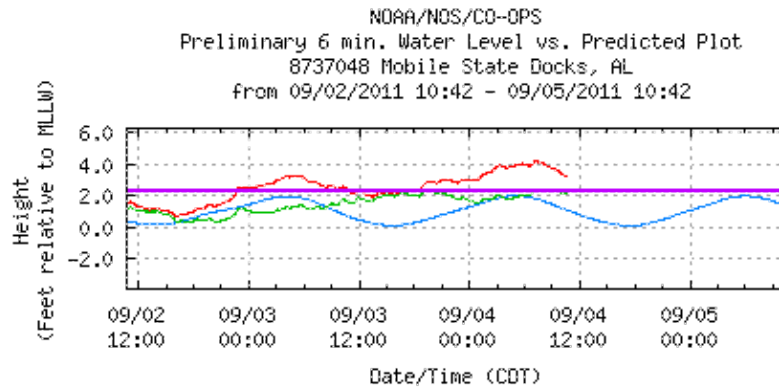


speed — gusts — direction +

Last Observed Sample: 09/04/2011 10:30 (CDT)

Wind Speed: 24 knots **Gusts: 29 knots** **Direction: 140° T**

Mobile State Docks, AL - Return to List

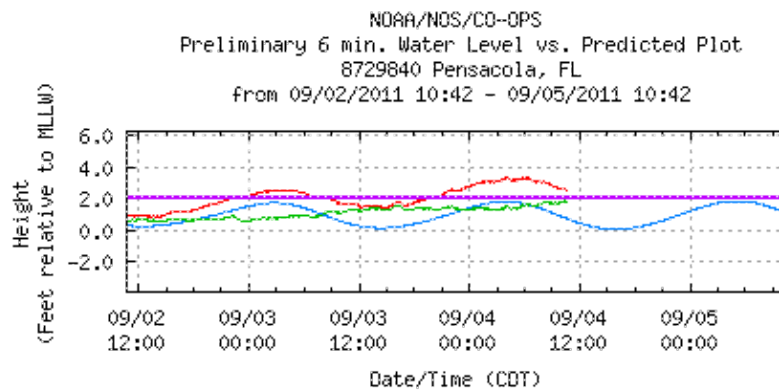


Last Observed Sample: 09/04/2011 10:30 (CDT)

Relative to MLLW: **Observed: 3.21 ft.** **Predicted: 1.10 ft.** **Residual: 2.11 ft.**

Historical Maximum Water Level: Sep 26 2002, 3.64 ft. above MHHW

Pensacola, FL - Return to List

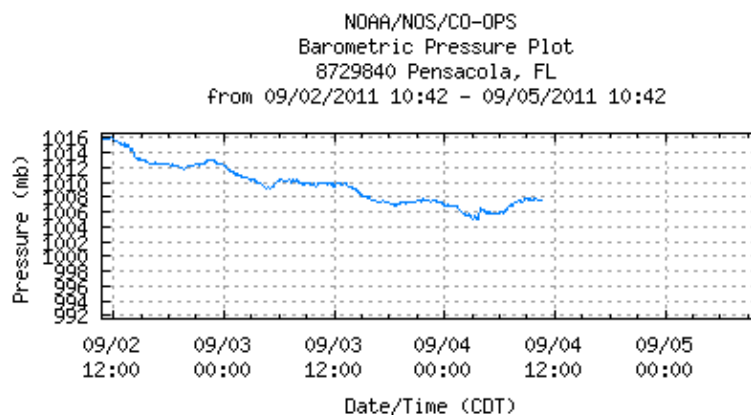


Last Observed Sample: 09/04/2011 10:36 (CDT)

Relative to MLLW: **Observed: 2.54 ft.** **Predicted: 0.74 ft.** **Residual: 1.80 ft.**

Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW

Pensacola, FL - Return to List

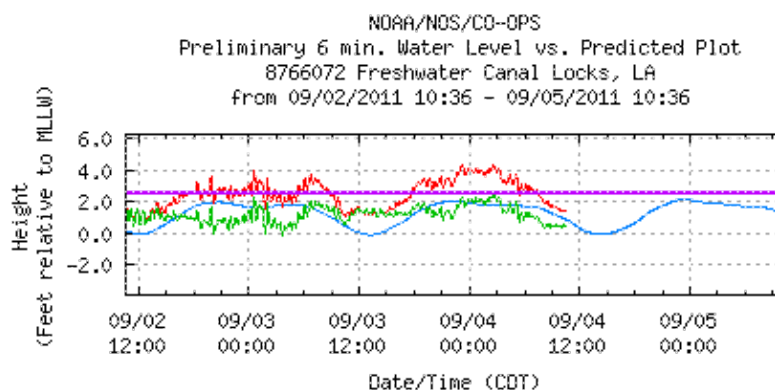


barometric pressure —

Last Observed Sample: 09/04/2011 10:36 (CDT)

Barometric Pressure: 1007.7 mb

Freshwater Canal Locks, LA - Return to List



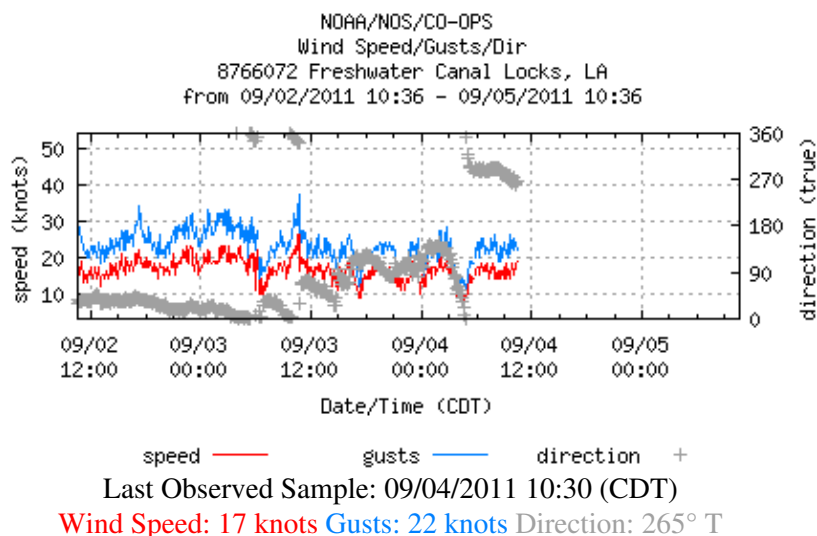
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/04/2011 10:30 (CDT)

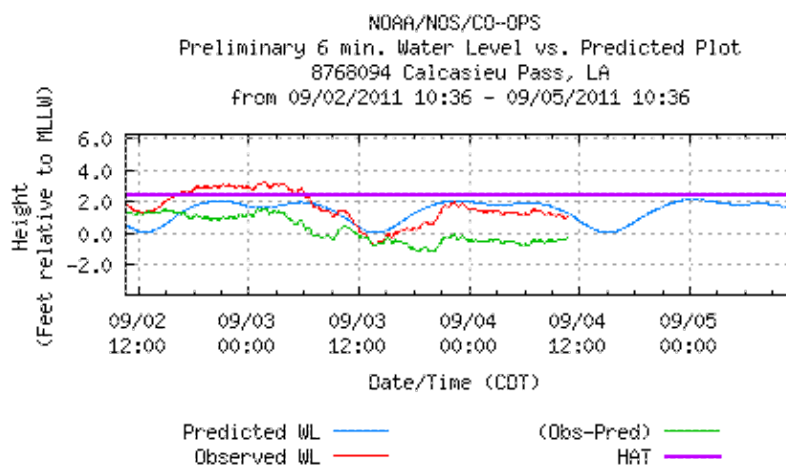
Relative to MLLW: Observed: 1.37 ft. Predicted: 0.86 ft. Residual: 0.51 ft.

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

Freshwater Canal Locks, LA - Return to List

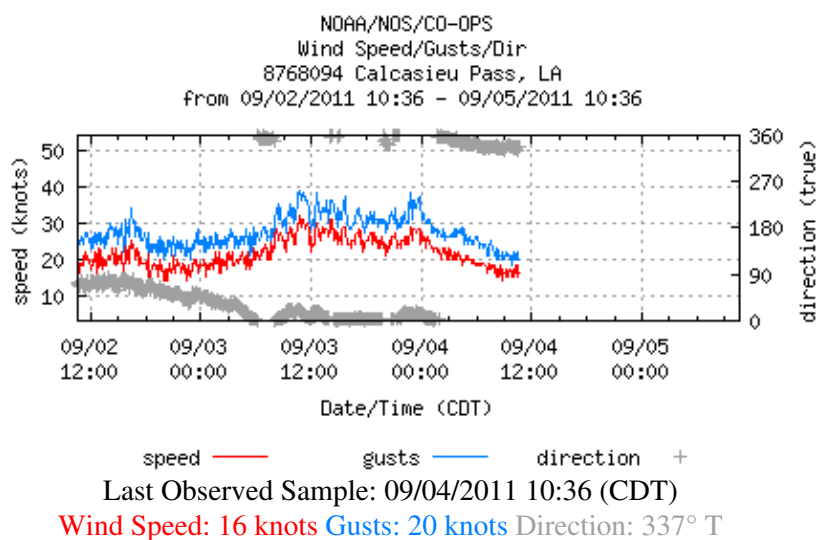


Calcasieu Pass, LA - Return to List

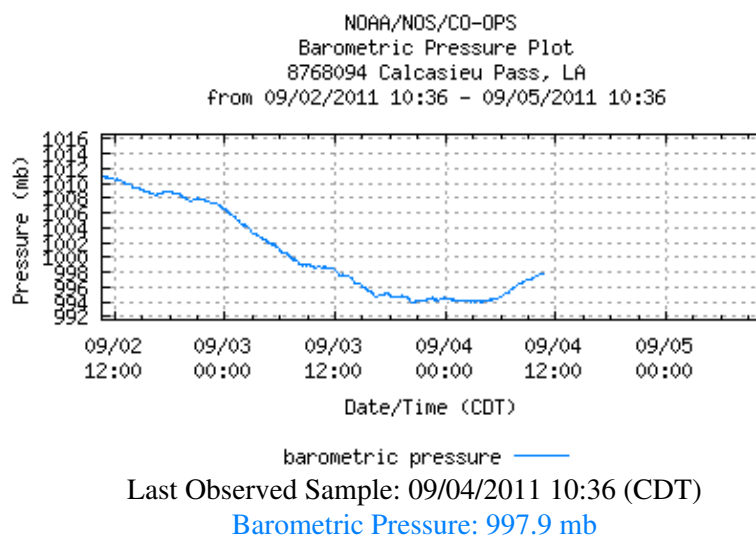


Last Observed Sample: 09/04/2011 10:36 (CDT)
Relative to MLLW: Observed: 1.06 ft. Predicted: 1.28 ft. Residual: -0.22 ft.
Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

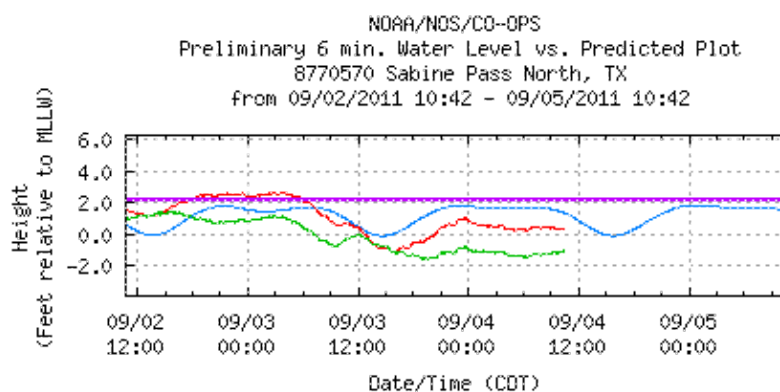
Calcasieu Pass, LA - Return to List



Calcasieu Pass, LA - Return to List



Sabine Pass North, TX - Return to List



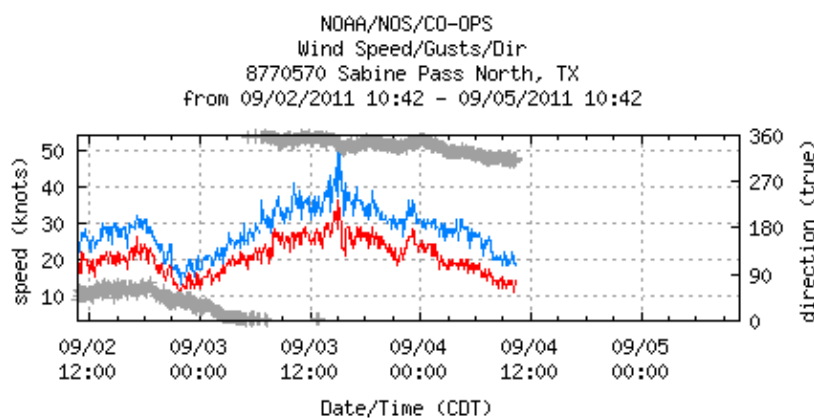
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/04/2011 10:24 (CDT)

Relative to MLLW: **Observed: 0.31 ft.** **Predicted: 1.35 ft.** **Residual: -1.04 ft.**

Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above MHHW

Sabine Pass North, TX - Return to List

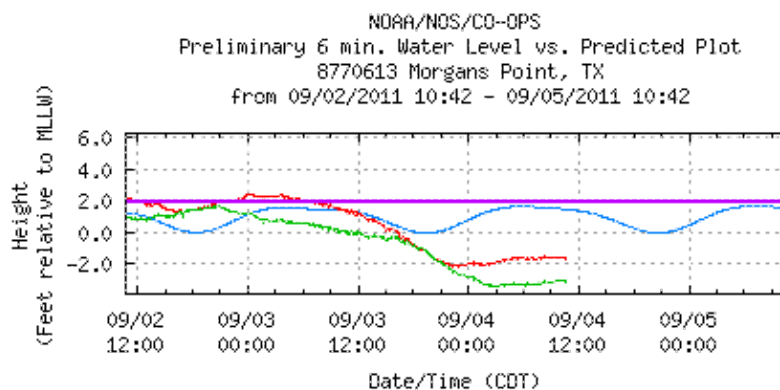


speed — gusts — direction +

Last Observed Sample: 09/04/2011 10:24 (CDT)

Wind Speed: 14 knots **Gusts: 18 knots** **Direction: 317° T**

Morgans Point, TX - Return to List



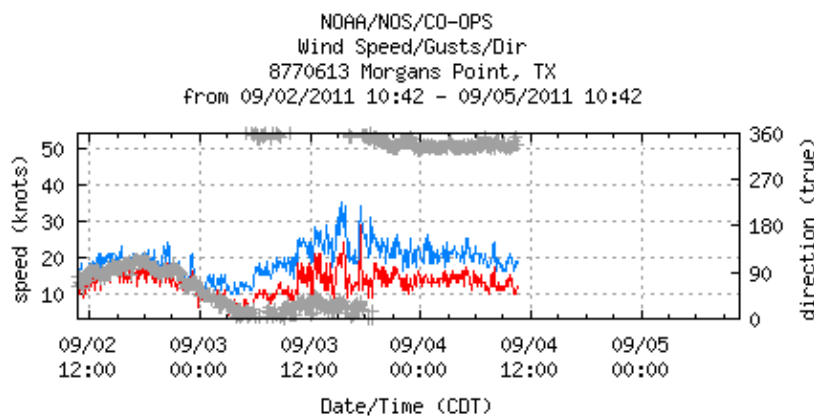
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/04/2011 10:36 (CDT)

Relative to MLLW: **Observed: -1.72 ft.** **Predicted: 1.46 ft.** **Residual: -3.18 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.19 ft. above MHHW

Morgans Point, TX - Return to List



speed — gusts — direction +

Last Observed Sample: 09/04/2011 10:36 (CDT)

Wind Speed: 12 knots **Gusts: 19 knots** **Direction: 338° T**

Tropical Storm LEE QuickLook, POSTED 11:00 CDT 09/04/2011

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce